



**Maria Jose Moncada**  
**Senior Attorney**  
**Florida Power & Light Company**  
**700 Universe Boulevard**  
**Juno Beach, FL 33408-0420**  
**(561) 304-5795**  
**(561) 691-7135 (Facsimile)**  
**E-mail: maria.moncada@fpl.com**

June 21, 2021

**-VIA ELECTRONIC FILING -**

Adam Teitzman  
Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

**Re: Docket No. 20210007-EI Environmental Cost Recovery Clause**

Dear Mr. Teitzman:

Attached for electronic filing in the above docket is Florida Power & Light Company's Solar Plant Operation Status Report for the month of May 2021, in accordance with Stipulation III.F. that was approved in Order No. PSC-11-0083-FOF-EI, Docket No. 100007-EI, dated January 31, 2011.

Also included is the Solar Plant Operation Status Report for April 2021 to correct the monthly fuel displaced and emissions reduction values for each solar project and the O&M cost for Space Coast.

If there are any questions regarding this transmittal, please contact me at (561) 304-5795.

Sincerely,

s/ Maria Jose Moncada  
Maria Jose Moncada

**Attachments**

cc: Counsel for Parties of Record (w/ attachments)

**CERTIFICATE OF SERVICE**

**Docket No. 20210007-EI**

**I HEREBY CERTIFY** that a true and correct copy of the foregoing has been furnished  
by electronic service on this 21st day of June 2021 to the following:

Charles Murphy  
**Office of General Counsel**  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850  
cmurphy@psc.state.fl.us

Russell A. Badders  
Vice President & General Counsel  
One Energy Place, Bin 100  
Pensacola, FL 32520-0100  
russell.badders@nexteraenergy.com  
**Attorney for Gulf Power Company**

Paula Brown  
**Tampa Electric Company**  
P.O. Box 111  
Tampa, FL 33601-0111  
(813) 228-1444  
(813) 228-1770  
regdept@tecoenergy.com

James D. Beasley, Esq.  
J. Jeffrey Wahlen, Esq.  
Ausley & McMullen  
P.O. Box 391  
Tallahassee, FL 32302  
jbeasley@ausley.com  
jwahlen@ausley.com  
**Attorneys for Tampa Electric Company**

Richard Gentry  
Patricia A. Christensen  
Charles J. Rehwinkel  
Stephanie Morse  
Anastacia Pirrello  
**Office of Public Counsel**  
c/o The Florida Legislature  
111 West Madison St., Room 812  
Tallahassee, FL 32399-1400  
gentry.richard@leg.state.fl.us  
christensen.patty@leg.state.fl.us  
rehwinkel.charles@leg.state.fl.us  
morse.stephanie@leg.state.fl.us  
pirrello.anastacia@leg.state.fl.us

Dianne M. Triplett  
299 First Avenue North  
St. Petersburg, FL 33701  
Dianne.triplett@duke-energy.com

Matthew R. Bernier, Esq.  
106 East College Avenue, Suite 800  
Tallahassee, FL 32301  
Matthew.bernier@duke-energy.com  
**Attorneys for Duke Energy Florida**

Jon C. Moyle, Jr.  
Moyle Law Firm, P.A.  
118 North Gadsden Street  
Tallahassee, FL 32301  
jmoyle@moylelaw.com  
mqualls@moylelaw.com  
**Attorneys for Florida Industrial Power  
Group**

James W. Brew  
Laura Wynn Baker  
Stone Mattheis Xenopoulos & Brew, P.C.  
1025 Thomas Jefferson Street, NW  
Eighth Floor, West Tower  
Washington, DC 20007  
jbrew@smxblaw.com  
lwb@smxblaw.com  
**Attorneys for PCS Phosphate-White  
Springs**

By: s/ Maria Jose Moncada  
Maria Jose Moncada  
Florida Bar No. 0773301

Florida Power & Light Company  
 Actual Data for Next Generation Solar Centers  
 Environmental Cost Recovery Clause  
 Period of: April 2021

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	11,059	(49)	(19)	(197)
2	10,203	(49)	(19)	(195)
3	9,651	(48)	(19)	(184)
4	9,340	(48)	(18)	(179)
5	9,273	(48)	(19)	(172)
6	9,607	(50)	(19)	(170)
7	10,296	(53)	(19)	(299)
8	10,986	1,632	193	(445)
9	12,081	9,999	1,560	(564)
10	13,325	14,593	3,175	558
11	14,389	16,699	4,699	7,168
12	15,269	16,292	6,074	12,919
13	15,959	15,966	6,880	15,816
14	16,532	16,334	7,044	16,780
15	16,976	15,709	6,684	16,026
16	17,315	15,657	5,796	14,376
17	17,501	14,849	4,198	13,083
18	17,425	13,024	2,783	11,282
19	16,901	8,139	1,129	10,837
20	16,089	1,006	129	5,571
21	15,718	(64)	(28)	205
22	14,816	(54)	(24)	(203)
23	13,643	(52)	(21)	(195)
24	12,284	(50)	(20)	(203)

Florida Power & Light Company  
Actual Data for Next Generation Solar Centers  
Environmental Cost Recovery Clause  
Period of: April 2021

REVISED 6/21/21

	Net Capability (MW)	<sup>(1)</sup> Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	<sup>(2)</sup> Total System Net Generation (MWh)	
1	DESOTO	25	4,780	26.6%	0.05%	9,974,237
2	SPACE COAST	10	1,504	20.9%	0.02%	
3	MARTIN SOLAR	75	3,649	6.8%	0.04%	
4	Total	110	9,932	12.5%	0.10%	

	Natural Gas Displaced (MCF)	<sup>(2)</sup> Cost of NG (\$/MCF)	Oil Displaced (Bbls)	<sup>(2)</sup> Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	<sup>(3)</sup> Cost of Coal (\$/Ton)	
5	DESOTO	32,430	\$4.24	185	\$72.99	71	\$49.64
6	SPACE COAST	10,189	\$4.24	48	\$72.99	21	\$49.64
7	MARTIN SOLAR	25,264	\$4.24	125	\$72.99	101	\$49.64
8	Total	67,883	\$287,906	358	\$26,143	192	\$9,553

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,135	0.97	0.45	0.00
10	SPACE COAST	662	0.29	0.12	0.00
11	MARTIN SOLAR	1,734	0.79	0.31	0.00
12	Total	4,532	2.05	0.87	0.00

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$31,099	\$677,733	\$432,535	(\$148,208)	\$0	\$993,159
14	SPACE COAST	\$10,248	\$316,591	\$194,936	(\$62,871)	\$0	\$458,904
15	MARTIN SOLAR	\$383,898	\$2,148,071	\$1,030,530	(\$402,196)	\$0	\$3,160,303
16	Total	\$425,245	\$3,142,395	\$1,658,001	(\$613,275)	\$0	\$4,612,366

- (1) Net Generation data represents a calendar month.
- (2) Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.
- (3) Fuel Cost per unit data from Schedule A4.
- (4) Carrying Cost data represents return on average net investment.
- (5) Capital Cost data represents depreciation expense on net investment.
- (6) Other Cost data represents dismantlement costs and amortization on ITC.

Florida Power & Light Company  
 Actual Data for Next Generation Solar Centers  
 Environmental Cost Recovery Clause  
 Period of: Year-to-Date (January - April) 2021

REVISED 6/21/21

	Net Capability (MW)	<sup>(1)</sup> Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	<sup>(2)</sup> Total System Net Generation (MWh)	
1	DESOTO	25	15,011	20.8%	0.04%	37,034,066
2	SPACE COAST	10	5,667	19.7%	0.02%	
3	MARTIN SOLAR	75	9,786	4.5%	0.03%	
4	Total	110	30,464	9.6%	0.08%	

	Natural Gas Displaced (MCF)	<sup>(2)</sup> Cost of NG (\$/MCF)	Oil Displaced (Bbls)	<sup>(2)</sup> Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	<sup>(3)</sup> Cost of Coal (\$/Ton)	
5	DESOTO	96,128	\$4.68	315	\$72.99	727	\$47.21
6	SPACE COAST	36,385	\$4.68	96	\$72.99	279	\$47.21
7	MARTIN SOLAR	59,755	\$4.68	315	\$72.99	712	\$47.21
8	Total	192,268	\$899,661	726	\$52,973	1,718	\$81,091

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	7,128	3.2	0.8	0.02
10	SPACE COAST	2,693	1.2	0.3	0.01
11	MARTIN SOLAR	4,955	2.4	0.8	0.02
12	Total	14,776	6.7	1.9	0.04

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$141,104	\$2,729,990	\$1,730,139	(\$592,832)	\$0	\$4,008,401
14	SPACE COAST	\$49,259	\$1,274,874	\$779,743	(\$251,484)	\$0	\$1,852,392
15	MARTIN SOLAR	\$1,351,522	\$8,626,568	\$4,119,196	(\$1,608,784)	\$0	\$12,488,502
16	Total	\$1,541,886	\$12,631,432	\$6,629,078	(\$2,453,100)	\$0	\$18,349,296

- (1) Net Generation data represents a calendar month.
- (2) Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.
- (3) Fuel Cost per unit data from Schedule A4.
- (4) Carrying Cost data represents return on average net investment.
- (5) Capital Cost data represents depreciation expense on net investment.
- (6) Other Cost data represents dismantlement costs and amortization on ITC.

Florida Power & Light Company  
 Actual Data for Next Generation Solar Centers  
 Environmental Cost Recovery Clause  
 Period of: May 2021

Hour of Day	System Firm Demand (MW)	Average Hourly Net Output (kWh)		
		DESOTO	SPACE COAST	MARTIN SOLAR
1	12,681	(51)	(18)	(217)
2	11,725	(50)	(18)	(223)
3	11,072	(50)	(17)	(222)
4	10,637	(49)	(17)	(217)
5	10,453	(48)	(17)	(214)
6	10,673	(50)	(17)	(218)
7	11,171	(29)	(5)	(290)
8	11,867	4,117	516	(437)
9	13,229	11,905	2,024	(578)
10	14,667	16,171	3,885	2,207
11	15,996	16,958	5,456	9,631
12	17,225	17,452	6,426	14,832
13	18,183	17,338	7,072	15,995
14	18,911	16,665	7,287	18,548
15	19,389	15,559	6,818	20,012
16	19,715	14,590	5,791	20,815
17	19,834	14,755	4,569	19,493
18	19,634	12,511	3,069	17,951
19	19,012	9,100	1,338	14,000
20	17,991	2,156	243	7,841
21	17,334	(65)	(26)	216
22	16,502	(55)	(25)	(189)
23	15,256	(53)	(21)	(208)
24	13,937	(52)	(19)	(214)

Florida Power & Light Company  
Actual Data for Next Generation Solar Centers  
Environmental Cost Recovery Clause  
Period of: May 2021

	Net Capability (MW)	<sup>(1)</sup> Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	<sup>(2)</sup> Total System Net Generation (MWh)	
1	DESOTO	25	5,230	28.1%	0.05%	11,314,284
2	SPACE COAST	10	1,683	22.6%	0.01%	
3	MARTIN SOLAR	75	4,908	8.8%	0.04%	
4	Total	110	11,821	14.4%	0.10%	

	Natural Gas Displaced (MCF)	<sup>(2)</sup> Cost of NG (\$/MCF)	Oil Displaced (Bbls)	<sup>(2)</sup> Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	<sup>(3)</sup> Cost of Coal (\$/Ton)	
5	DESOTO	38,044	\$4.42	189	\$72.99	91	\$46.75
6	SPACE COAST	12,338	\$4.42	51	\$72.99	25	\$46.75
7	MARTIN SOLAR	38,200	\$4.42	319	\$72.99	94	\$46.75
8	Total	88,582	\$391,705	559	\$40,828	210	\$9,816

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	2,504	1.1	0.5	0.00
10	SPACE COAST	799	0.3	0.1	0.00
11	MARTIN SOLAR	2,586	1.2	0.8	0.00
12	Total	5,890	2.7	1.3	0.01

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$34,912	\$674,625	\$432,535	(\$148,208)	\$0	\$993,864
14	SPACE COAST	\$23,302	\$315,173	\$194,936	(\$62,871)	\$0	\$470,540
15	MARTIN SOLAR	\$345,339	\$2,140,782	\$1,030,676	(\$402,196)	\$0	\$3,114,601
16	Total	\$403,552	\$3,130,580	\$1,658,147	(\$613,275)	\$0	\$4,579,005

- (1) Net Generation data represents a calendar month.
- (2) Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.
- (3) Fuel Cost per unit data from Schedule A4.
- (4) Carrying Cost data represents return on average net investment.
- (5) Capital Cost data represents depreciation expense on net investment.
- (6) Other Cost data represents dismantlement costs and amortization on ITC.



Florida Power & Light Company  
Actual Data for Next Generation Solar Centers  
Environmental Cost Recovery Clause  
Period of: Year-to-Date (January - May) 2021

	Net Capability (MW)	<sup>(1)</sup> Net Generation (MWh)	Capacity Factor (%)	Percent of Total Generation (%)	<sup>(2)</sup> Total System Net Generation (MWh)	
1	DESOTO	25	20,241	22.3%	0.04%	48,348,350
2	SPACE COAST	10	7,350	20.3%	0.02%	
3	MARTIN SOLAR	75	14,694	5.4%	0.03%	
4	Total	110	42,285	10.6%	0.09%	

	Natural Gas Displaced (MCF)	<sup>(2)</sup> Cost of NG (\$/MCF)	Oil Displaced (Bbls)	<sup>(2)</sup> Cost of Oil (\$/Bbl)	Coal Displaced (Tons)	<sup>(3)</sup> Cost of Coal (\$/Ton)	
5	DESOTO	134,172	\$4.60	504	\$72.99	818	\$47.16
6	SPACE COAST	48,723	\$4.60	147	\$72.99	304	\$47.16
7	MARTIN SOLAR	97,955	\$4.60	634	\$72.99	806	\$47.16
8	Total	280,850	\$1,291,366	1,285	\$93,801	1,927	\$90,906

	CO2 Reductions (Tons)	Nox Reductions (Tons)	SO2 Reductions (Tons)	Hg Reductions (lbs)	
9	DESOTO	9,633	4.3	1.3	0.02
10	SPACE COAST	3,492	1.5	0.4	0.01
11	MARTIN SOLAR	7,542	3.6	1.6	0.02
12	Total	20,666	9.4	3.2	0.04

	O&M (\$)	<sup>(4)</sup> Carrying Costs (\$)	<sup>(5)</sup> Capital (\$)	<sup>(6)</sup> Other (\$)	Fuel Cost (\$)	Total Cost of Generation (\$)	
13	DESOTO	\$176,016	\$3,404,615	\$2,162,675	(\$741,040)	\$0	\$5,002,265
14	SPACE COAST	\$72,561	\$1,590,047	\$974,679	(\$314,355)	\$0	\$2,322,932
15	MARTIN SOLAR	\$1,696,861	\$10,767,350	\$5,149,872	(\$2,010,980)	\$0	\$15,603,103
16	Total	\$1,945,438	\$15,762,012	\$8,287,225	(\$3,066,375)	\$0	\$22,928,300

- (1) Net Generation data represents a calendar month.
- (2) Total System Net Generation from Schedule A3. Fuel Cost per unit data from Schedule A3.
- (3) Fuel Cost per unit data from Schedule A4.
- (4) Carrying Cost data represents return on average net investment.
- (5) Capital Cost data represents depreciation expense on net investment.
- (6) Other Cost data represents dismantlement costs and amortization on ITC.